

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,633,850 B2  
APPLICATION NO. : 10/582815  
DATED : December 15, 2009  
INVENTOR(S) : Chang-Jun Ahn

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

An error was made in Claim 4 at Column 18, Line 33:

Please delete “convened” and add -- converted --.

An error was made in Claim 8 at Column 20, Line 5:

Please delete “ $0 \geq 1 > n, 0 \geq j > m$ ” and add --  $0 \leq i < n, 0 \leq j < m$  --.

An error was made in Claim 11 at Column 20, Line 63:

Please delete “ $0 \geq 1 > n, 0 \geq j > m$ ” and add --  $0 \leq i < n, 0 \leq j < m$  --.

An error was made in Claim 13 at Column 21, Line 38:

Please delete “ $0 \geq 1 > n, 0 \geq j > m$ ” and add --  $0 \leq i < n, 0 \leq j < m$  --.

An error was made in Claim 14 at Column 22, Line 8:

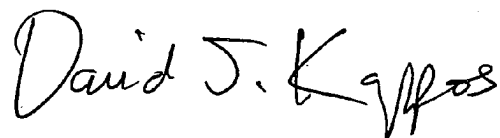
Please delete “out put” and add -- output --.

An error was made in Claim 16 at Column 22, Line 43:

Please delete “ $0 \geq 1 > n, 0 \geq j > m$ ” and add --  $0 \leq i < n, 0 \leq j < m$  --.

Signed and Sealed this

Twenty-ninth Day of June, 2010



David J. Kappos  
Director of the United States Patent and Trademark Office